JERZEJEWSKA, AICJA

Poland/Pharmacology. Toxicology. Chemo-Therapeutical Pre- U-7
parations.

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33052

Author : Kossowski Stanislaw, Bekierkunst Adam, Agopsowicz Grzegorz, Jerzejewska Aicja.

Inst : Not given

Title : Therapy of Azaena with Dihydrostreptomycin and a Mixture of Dihydrostreptomycin and Penicillin.

Orig Pub : Arch. immunol. i terap. doswiadcz., 1955, 3, 239-247

Abstract : Twenty-three patients ill with azaena were treated with dihydrostreptomycin (1); 30 other patients were given dihydrostreptomycin and penicillin (II) simultaneously. The patients of the 1st group were administered 1 in doses of 0.5 to 1g every 24 hours for a period of 12 days. Those of the 2nd group

Card 1/2

FIALOVA, V.; JERZEK, V., MIKULENKA, V.

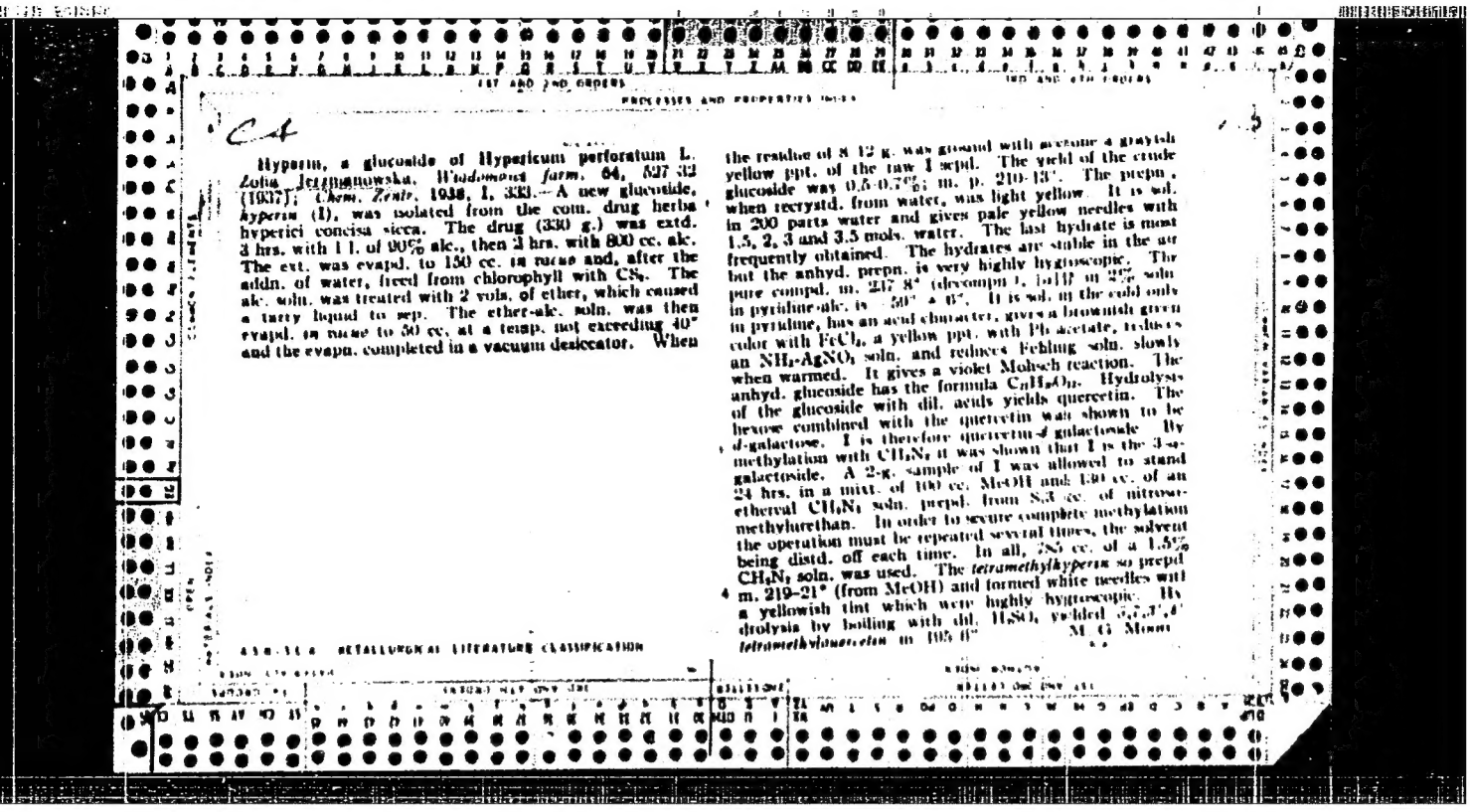
The relationship of pulse velocity to blood lipids in atherosclerosis. Cor Vasa 4 no.1:20-25 '62.

1. The IInd Internal Clinic, Charles University, Prague.
(LIPIDS blood) (ARTERIOSCLEROSIS physiol)
(PULSE physiol)

JERZMANOWSKA, Zofia, prof. dr

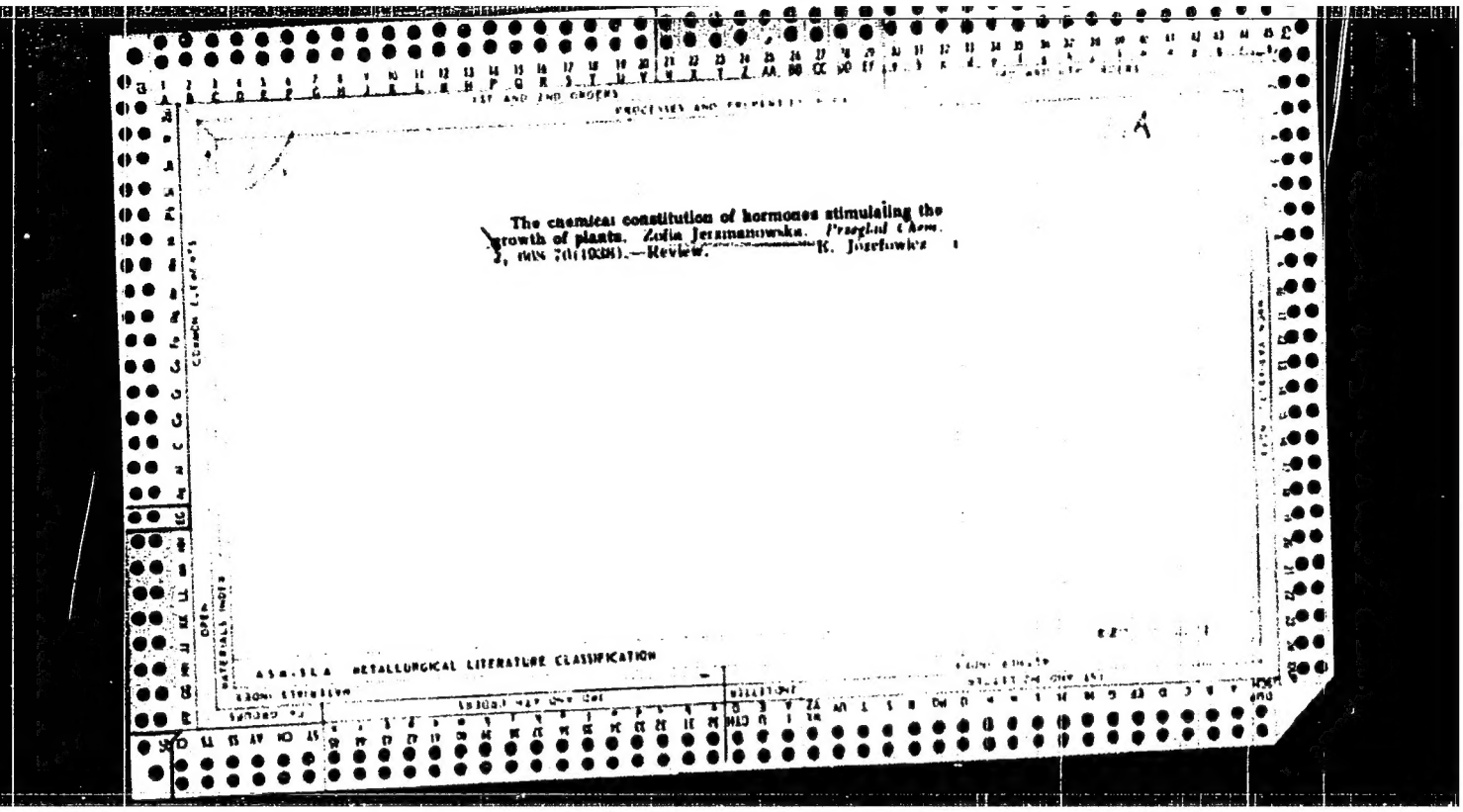
Certain development trends of organic chemistry. Problemy 20 no. 4: 197-204 '64.

1. Kierowniczka Katedry Chemii Organicznej, Wydzial Farmaceutyczny, Akademia Medyczna, Lodz.



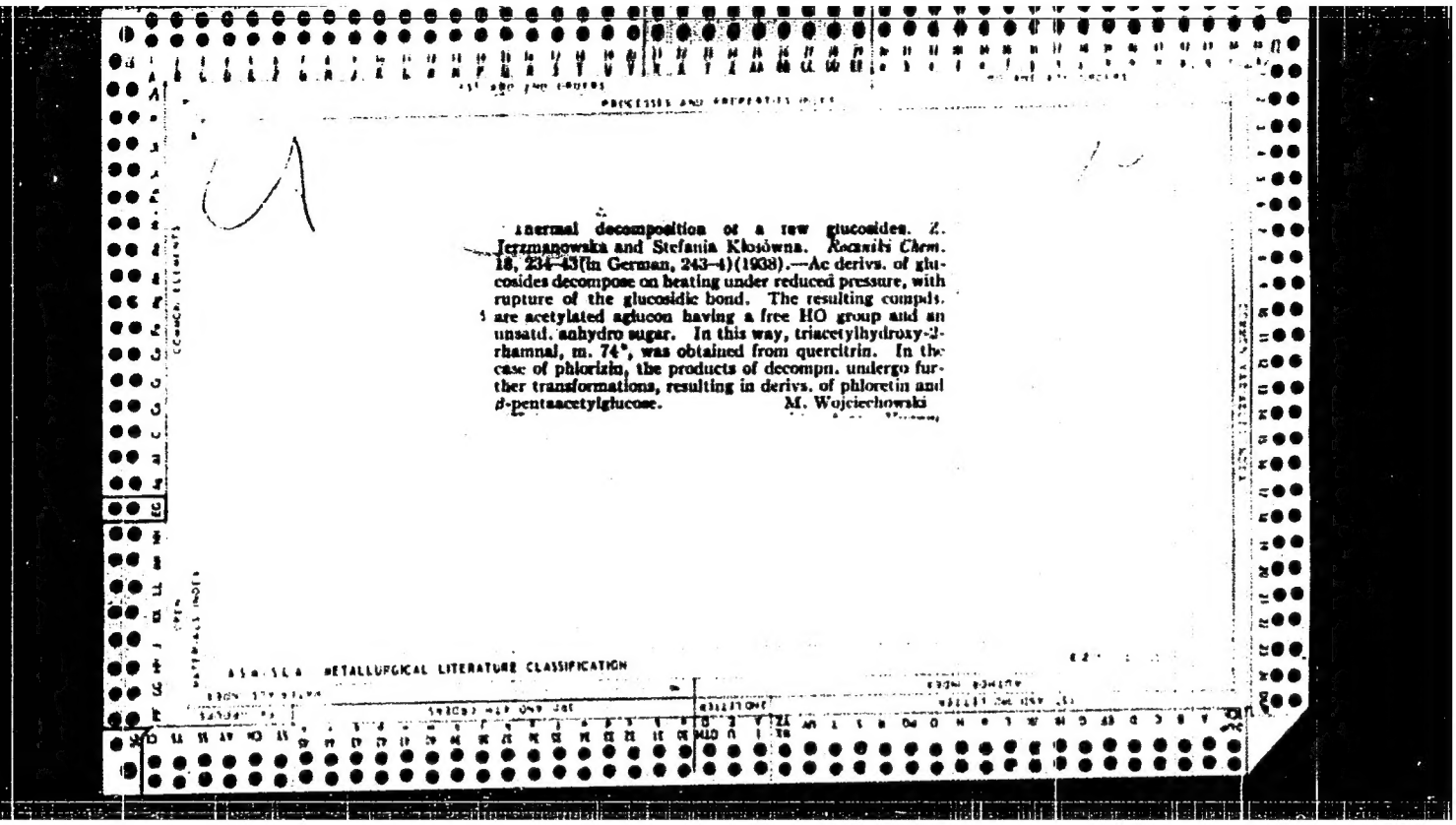
C4

Hyperin, a glucoside of Hypericum perforatum L. Zofia Jerzmanowska. *Wiadomości farm.* 64, 527-32 (1937); *Chem. Zentr.* 1938, I, 333.—A new glucoside, *hyperin* (I), was isolated from the com. drug herba hyperici concisa sicca. The drug (330 g.) was extd. 3 hrs. with 1 l. of 90% alc., then 3 hrs. with 800 cc. alc. The ext. was evapd. to 150 cc. in vacuo and, after the addn. of water, freed from chlorophyll with CS_2. The alc. soln. was treated with 2 vols. of ether, which caused a tarry liquid to sep. The ether-alc. soln. was then evapd. in vacuo to 50 cc. at a temp. not exceeding 40° and the evapn. completed in a vacuum desiccator. When the residue of 8.12 g. was ground with acetone a grayish yellow ppt. of the raw I sepd. The yield of the crude glucoside was 0.5-0.7%; m. p. 210-13°. The prepn., when recrystd. from water, was light yellow. It is sol. in 200 parts water and gives pale yellow needles with 1.5, 2, 3 and 3.5 mols. water. The last hydrate is most frequently obtained. The hydrates are stable in the air but the anhyd. prepn. is very highly hygroscopic. The pure compd. m. 247.8° (decompn.), $[\alpha]_D^{17}$ in 2% soln. in pyridine-alc. is −50° ± 0°. It is sol. in the cold only in pyridine, has an acid character, gives a brownish green color with $FeCl_3$, a yellow ppt. with Pb acetate, reduces an NH_3-$AgNO_3$ soln. and reduces Fehling soln. slowly when warmed. It gives a violet Mohsch reaction. The anhyd. glucoside has the formula $C_{21}H_{20}O_{12}$. Hydrolysis of the glucoside with dil. acids yields quercetin. The hexose combined with the quercetin was shown to be d-galactose. I is therefore quercetin-3-galactoside. By methylation with CH_2N_2 it was shown that I is the 3-methylation with CH_2N_2 it was shown that I is the 3-galactoside. A 2-g. sample of I was allowed to stand 24 hrs. in a mixt. of 100 cc. MeOH and 130 cc. of an ethereal CH_2N_2 soln. prepd. from 8.3 cc. of nitrosomethylurethan. In order to secure complete methylation the operation must be repeated several times, the solvent being distd. off each time. In all, 780 cc. of a 1.5% CH_2N_2 soln. was used. The *tetramethylhyperin* so prepd. m. 219–21° (from MeOH) and formed white needles with a yellowish tint which were highly hygroscopic. Hydrolysis by boiling with dil. H_2SO_4 yielded 3,3',4',5,7-*tetramethylquercetin* m. 195–6°. M. G. Mason

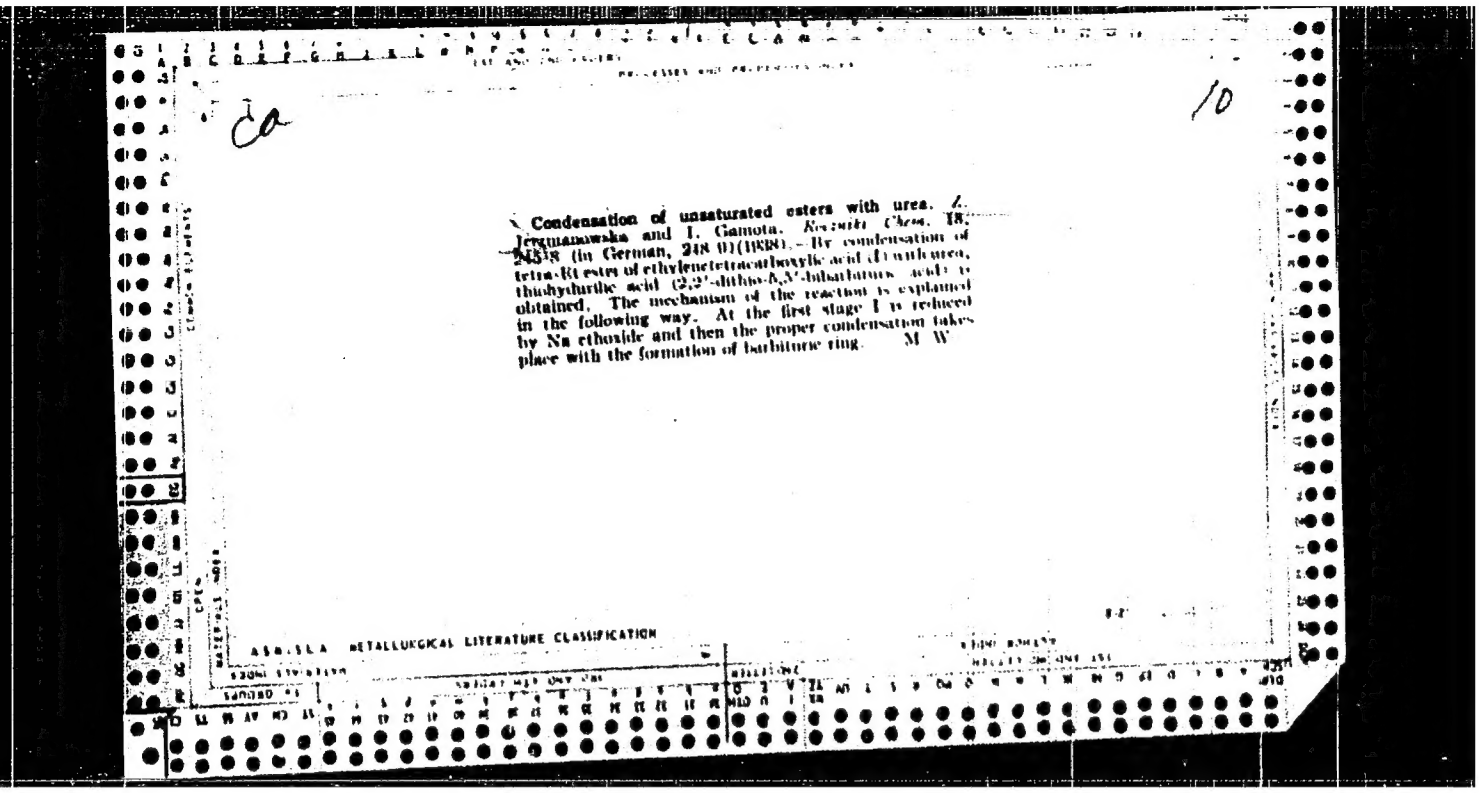


The chemical constitution of hormones stimulating the growth of plants. Zofia Jermanowska. *Przegląd Chem.* 2, 668 70(1938).—Review. K. Jaeferowicz

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Thermal decomposition of a few glucosides. Z. Jerzmanowska and Stefania Kłosówna. *Roczniki Chem.* 18, 234–43(in German, 243–4)(1938).—Ac derivs. of glucosides decompose on heating under reduced pressure, with rupture of the glucosidic bond. The resulting compds. are acetylated aglucon having a free HO group and an unsatd. anhydro sugar. In this way, triacetylhydroxy-2-rhamnal, m. 74°, was obtained from quercitrin. In the case of phlorizin, the products of decompn. undergo further transformations, resulting in derivs. of phloretin and *d*-pentaacetylglucose. M. Wojciechowski

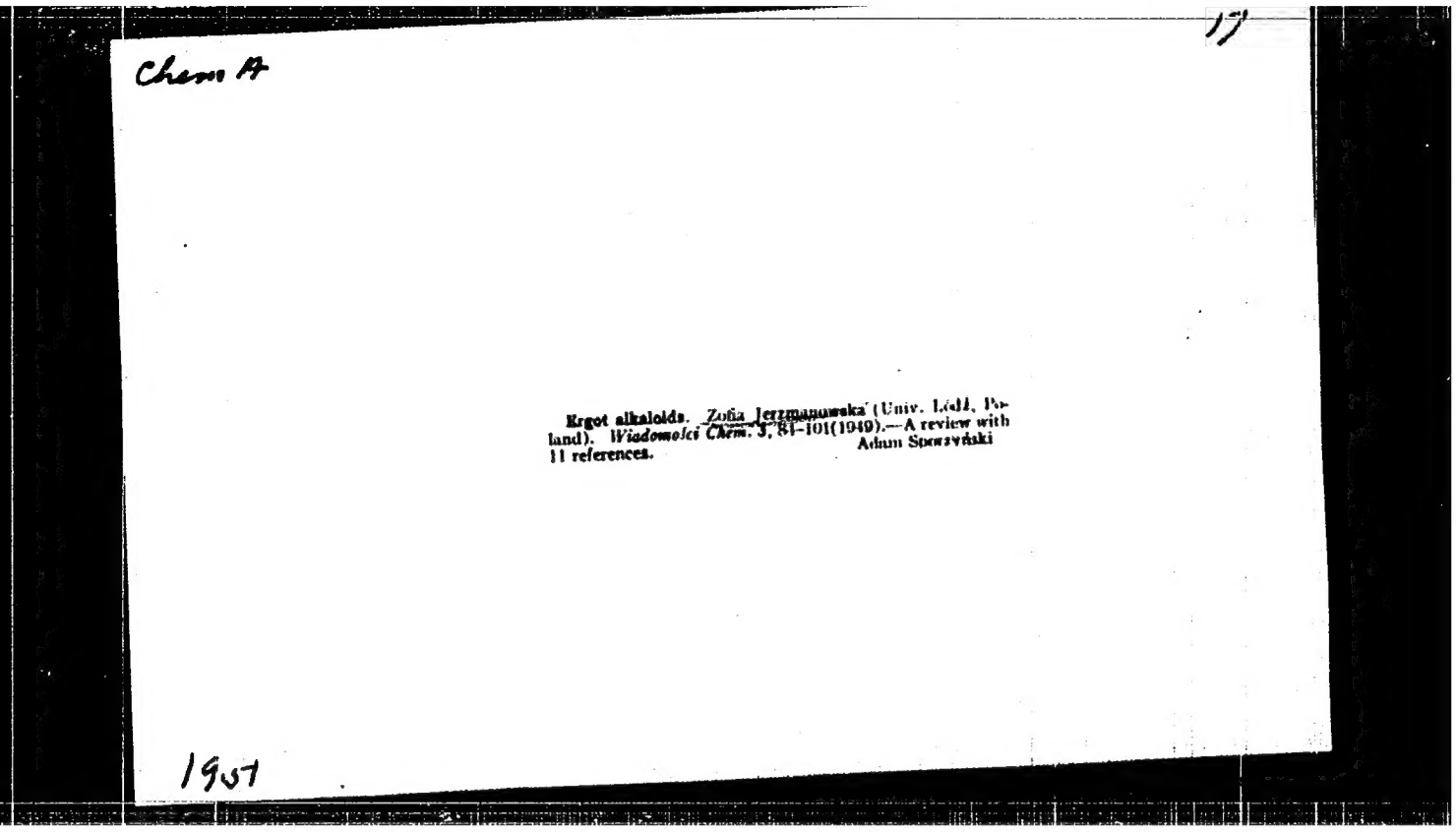


Ca

10

Condensation of unsaturated esters with urea. Z. Jeromanowska and L. Gamota. *Roczniki Chem.* 18, 245-8 (in German, 248 0)(1938).—By condensation of tetra-Et ester of ethylenetetracarboxylic acid (I) with urea, thiobarbituric acid (2,2'-dithio-4,4'-bibarbituric acid) is obtained. The mechanism of the reaction is explained in the following way. At the first stage I is reduced by Na ethoxide and then the proper condensation takes place with the formation of barbituric ring. M. W.

ASBSLA METALLURGICAL LITERATURE CLASSIFICATION



Chem A

17

Ergot alkaloids. Zofia Jerzmanowska (Univ. Łódź, Poland). *Wiadomości Chem.* 3, 81–101(1949).—A review with 11 references. Adam Skrzyński

1951

Country : Poland G-3
Category :

Abs. Jour : 45987

Author : Jerzmanowska, Z. and Skulski, J.
Institut. : Not given
Title : Dimerization and Polymerization Reactions of Euparin

Orig Pub. : Roczniki Chem, 32, No 3, 471-483 (1951)

Abstract : The substance (I) formed by the dimerization of euparin (2-isopropenylcoumarone) (II) in dil alcoholic solutions of mineral acids (see preceding communication, RZhKhim, No 23, 1955, 55256), absorbs 3 mols H_2 on hydrogenation over Pt (from PtO_2) in glacial CH_3COOH and adds 3 mols perbenzoic acid in chloroform solution. On refluxing for 19 hrs in C_6H_6 with maleic anhydride, I forms the adduct $C_{30}H_{26}O_9$, mp 120°, later 230° [sic] (decomp; from benzene), and on

Card: 1/3

JERZMANOWSKA, ZOFIA

Analiza jakosciowa zwiazkow organicznych; podrecznik laboratoryjny. Warszawa, Panstwowy Zakalad Wydawn. Lekarskich, 1951. 291 p. / Qualitative analysis of organic compounds; a laboratory manual. Index, tables /

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

JERZMANOWSKA, Z.

Eunadia, the constituent of Eupatorium cannabinum, and some derivatives. Z. Jerzmanowska (Med. Akad. Lublin). *Polska Akad. Umiej., Prace Kom. Farm., Dissertationes Pharm.* 3, 165–82 (1951)(English summary).—Eupatin (I) (IA, R = H) similar to that isolated by Robertson from American *Eupatorium purpureum*, was isolated from European *E. cannabinum*; however, Robertson's I m. 121–2° and its oxime m. 118° and its oxime m. 147°, while I from *E. cannabinum* were extd. twice with 2.5 l. 80% EtOH for 1.5–2 hrs., the ext. evapd. *in vacuo* on a water bath to 300 cc., extd. 3 times with Et_2O, the ext. treated with active C, the ether removed, the residue cooled and washed with cold alc. gave 2.0–4.5 g. crude product, which, crystd. from alc., yielded 2.3–2.5 g. I, thick yellow needles, m. 121–2°, insol. in H_2O and alkali, giving a green-blue coloration with $FeCl_3$ in alc. soln. To 2.0 g. I, in freshly distd. quinoline at 30–40° was added 4.5 g. α-bromotetraacetylglucose, then 1.32 g. active Ag_2O, the mixt. mechanically

(IA)

(III)

agitated 10 hrs., 30 cc. concd. AcOH added, the inorg. residue filtered off, the filtrate washed several times with concd. AcOH until almost no turbidity was obtained, and the filtrate added to 600 cc. H_2O giving after 1 hr. 3.5 g. of

(over)

crude cryst. product, which, after several crystns. from alc. (with C) yielded 1.86 g. (37%) *euparin tetraacetylglucoside* (II) (IA, R = tetraacetyl-α-glucosyl), colorless needles, m. 163–4°, insol. in H_2O, Et_2O, sol. in C_6H_6, $CHCl_3$, and dioxane. Hydrolysis of 0.07 g. I with 4 cc. of 2.9% alc. HCl gave 0.03 g. of a residue, m. 107–9°, or 0.1 g. I boiled 6 hrs. with 4% alc. H_2SO_4 and let stand 12 hrs. yielded 0.035 g. cryst. yellow residue, m. 107–9° (from alc.); both products, crystd. twice from alc., yielded *euparin dimer* (III), m. 173–4°. III, m. 173° (from alc.) (0.25 g.), was also obtained directly from 1 g. I by boiling 9 hrs. with 120 cc. of 4% alc. H_2SO_4. III is sol. in H_2O, C_6H_6, Et_2O, CCl_4, glacial AcOH, $CHCl_3$, and insol. in alkali; it gives an emerald-green coloration with alc. $FeCl_3$. III (0.05 g.) in 15 cc. alc., heated to boiling, and treated hot with a soln. of 2,4-$(O_2N)_2C_6H_3NHNH_2$ gave 0.055 g. I *2,4-dinitrophenylhydrazone*, m. 253–4°, dark red cryst. residue. III (0.25 g.) in 12 cc. Me_2CO treated hot with 0.8 g. K_2CO_3 and 5 cc. MeI and heated 7 hrs. gave 0.3 g. crude product, which sepd. from glacial AcOH in crystals m. 127–8°, giving a green-blue coloration with $FeCl_3$, and sol. in $CHCl_3$; apparently, methylation of I was not complete. III (0.1 g.) treated with 1.5 cc. alc., then with 2 cc. 20% KOH and with freshly distd. Me_2SO_4 gave an exothermic reaction; the product was then heated 1 hr. on a water bath, treated with 5 ml. H_2O, and the residue recrystd. from 3 cc. alc. to yield 0.05 g. cryst. Me deriv. of I, m. 157°, giving a neg. reaction with $FeCl_3$. Gene A. Woon

JERZMANOWSKA Z.

5

3655

547.386.2/4 : 547.483.2 : 547.495.2 : 542.95

Jerzmanowska Z., Jaworska-Królikowska M. Studies on α, β-Unsaturated Carboxylic Acids. Some Reactions of Triethyl-β-Phenylethylene-α, α, β-Tricarboxylate.

„Studia nad kwasami α, β-nienasyconymi. Niektóre reakcje β-fenyloetyleno- α, α, β-trójkarboksylanu etylowego". Roczniki Chemii (PAN). No. 2, 1954, pp. 417—422.

The condensation was investigated of triethyl phenylethylene-and -phenylethane tricarboxylate with urea in heated sodium ethylate solution. In both cases, there was formation of the same compound (in far better yield in the case of the saturated ester) to which was attributed the formation of 5(α-carbamidobenzyl)-barbituric acid.

CH

NT

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JERZMANOWSKA, Z.

3

POLON

Triterpenes. Zofia Jerzmanowska (Akad. Med. Łódź, Poland). *Wiadomości Chem.* 8, 81-96(1954).—Classification of triterpenes and stereochemistry of pentacyclic triterpenes are reviewed in some detail. 42 references.

Adam Sporzyński

JERZMANOWSKA, Z. & F.

Studies on Eupatorium cannabinum. II. Isolation of triterpene taraxasterol (α-lactucerol). Jadwiga Grzybowska, Zofia Jerzmanowska, and Henryk Witkowski. *Rocznik. Chem.* 28, 197-212(1954)(English summary); cf *C.A.* 48, 5848h.—α-Lactucerol is obtained bound with palmitic acid from petr. ether extn. of the dried flowers, followed by alk. hydrolysis of the residue. A method of obtaining the alc. in 0.8% yield on the wt. of the dried flowers is described. III. Chemical analysis of roots and stems with leaves. Jadwiga Grzybowska and Zofia Jerzmanowska. *Ibid.* 213-31.—A chem. analysis of the roots, stems, and leaves is given. The petr. ether extn. of the roots gave, besides cupurin, m. 152-3°, α-eupaterol acetate (0.01%), which on hydrolysis gives β-eupaterol, m. 136-7°. The residue from the alc. ext. on alk. hydrolysis gave a probable phytosterol, β-eupaterol, m. 159-62°, and the acetate of $C_{29}H_{48}O$ or $C_{31}H_{50}O$, m. 129-31° (0.002%). Palmitic acid was isolated and the presence of oleic and linolenic acids is established. The petr. ether ext. of the stems and leaves gives α-lactucerol, m. 218-21° (0.00%). Flavonol glucoside which hydrolyzed to quercetin, glycose, and rhamnose was found. Rutin, m. 187-92°, was found in the stems only (0.4%). Chester Plumb

(2)

JIRMANOVA, Z.; GRZYBOWSKA, J.

"Studies of Eupatorium Cannabinum. Pt. 3. Chemical Analysis of Roots and Stems with Leaves", P. 213, (ROCZNIKI CHEMII, Vol. 28, No. 2, 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

JERZMANOWSKA, ZOFIA

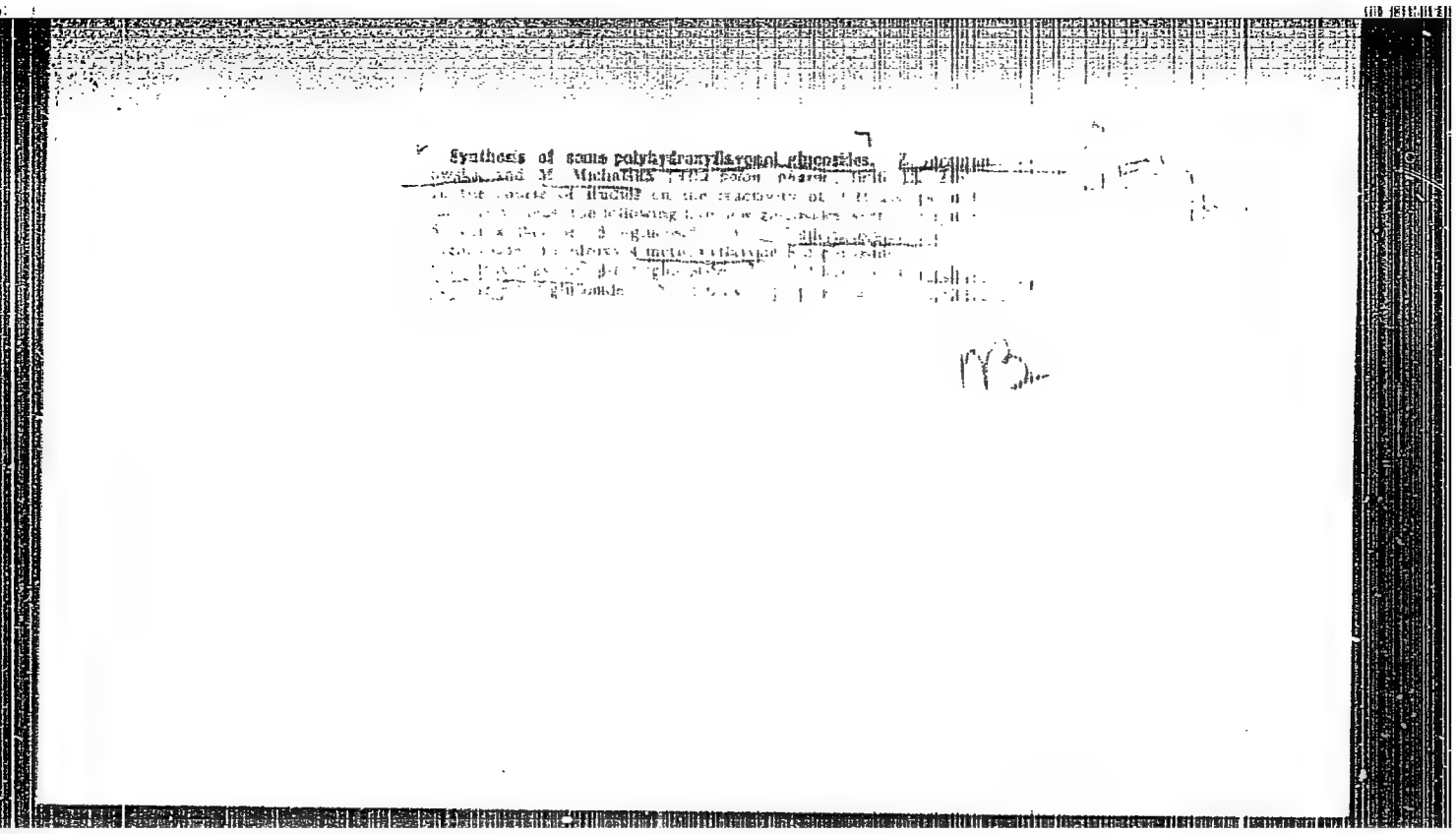
α,β-Unsaturated acids. V. The synthesis of β-phenylethylene-α,α,β-tricarboxylic acid and its derivatives. Zofia Jerzmanowska and Maria Jaworska-Królikowska (Łódź, Poland). *Roczniki Chem.* 28, 397–416(1954) (English summary); cf. *C.A.* 38, 3335'.—BzCOEt (4.5 g.), 4 g. $CH_2(CO_2Et)_2$ and 13.5 ml. of a catalyst (7.5 g. anhyd. $ZnCl_2$ and 15 g. Ac_2O) heated on a steam bath, extd. with 50 ml. Et_2O, washed with water, dried over Na_2SO_4 yields 6.5–7.5 g. $Ph(EtO_2C)C:C(CO_2Et)_2$ (I), b$_{10}$ 208-9°, b$_{14}$ 171–2°, n_D^{19} 1.5116, d_4^{20} 1.1373. Shaking 5 g. I, 15 g. Ba(OH)$_2$.8H$_2$O in 150 ml. H_2O for 7 hrs. yields 6.5 g. Ba-salt, which after treating with excess 10% HCl, evapg. *in vacuo*, extg. with Et_2O and crystg. from 10% HCl yields 1.2 g. $Ph(HO_2C):C(CO_2H)_2$ (II), m. 165–7°. Boiling 5.0 g. I with 10% alc. KOH, treating with HCl, extg. with Et_2O and distg. yields 2.5 g. $PhC:C(CO_2Et).CO.O.CO$ (III), m. 84–5°. Heating I for 7 hrs. with KOH yields mono K-salt of II which on treatment with HCl gas in C_6H_6 and crystn. from C_6H_6 yields *free acid* (IV) of III, m. 131–2°. IV with PCl_5 yields a mixt. of *acid chloride* (V) of IV and $PhC:C(Cl).CO.O.CO$ (VI). Treatment of this mixt. with $PhNH_2$ in the cold yields $Ph(OC)C:C(R).CO.NHR'$ (VIa) (R = PhNHCO, R' = Ph, VII) m. 221–2° and VIa (R = $PhNH_2$, R' = Ph) (VIII), m. 207–8°. Treatment of IV with $SOCl_2$ gives V, which yields VII with $PhNH_2$. V and EtOH yield III. IV (0.22 g.) and 0.125 g. $PhNH_2$ in 2 ml. Et_2O in the cold yield 0.4 g. $Ph(HO_2C)C:C(CONHPh)_2$, m. 199–201° (decomp.). Heating IV (0.4 g.) and 0.83 g. $PhNH_2$ for 2 hrs. gives the anil-analog of VIII (m. 210–12° is obtained. Treatment of V with NH_3 gives VIa (R = NH$_2$CO, R' = H) (IX) from which $Ph(HO_2C)C:CCONHCO_2H$ (X), m. 107–10°, is obtained by treating IX with conc. HCl. On drying in *vacuo* at 80° or by melting X gives the amide of IV, m. 167–8°. VI. Some reactions of triethyl β-phenylethylene-α,α,β-tricarboxylate, *Ibid.* 417–21 (English summary).—Condensation of 10 g. I with 7.5 g. H_2NCONH_2 in 60 ml. EtOH with 2.99 g. Na yields 0.18 g. $Ph(H_2NCO)C:CHCH.CO.NH.CO.NH.CO$ (XI). A similar treatment of 10 g. $Ph(EtO_2C)CHCH(CO_2Et)_2$ gives 2 g. XI.

E. Dorchenko

JERZMANOWSKA, Z.

Phytochemical problems. Acta Poloniae pharm. 11 Suppl.:65-66 1955.

1. Zaklad Chemii Organicznej A. M., Lodz.
(PLANTS,
medicinal)



Synthesis of some polyhydroxyalkyl phenoxides.

JERZMANOWSKA, Z.

JERZMANOWSKA, Z.

B. Bobranski's Analiza Ilosciowa związkow organicznych (A Quantitative Analysis of Organic Compounds); a book review.

p. 415 (Wiadomosci Chemiczne) Vol. 11, no. 7, July, 1957, Wroclaw, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

JERZMANOWSKA, Z.

POLAND / Organic Chemistry. Natural Substances and their Synthetic Analogues. G

Abs Jour: Ref Zhur-Khimiya, No 20, 1958, 67682.

Author : Jerzmanowska Z., Crzybowska J.
Inst : Not given.
Title : Flavonoids from Flowers of the Helichrysum Arenarium.

Orig Pub: Acta polon. phamac., 1958, 15, No 1, 13-14.

Abstract: The information pertaining to the flavodines found in flowers of the Helichrysum arenarium were verified and expanded. "Glycoside A" (I) with a melting point of 152-154° (anhydrous), $[\alpha]^{22}D$-125° (with 1, alcohol). It may be represented by an empirical formula $C_{21}H_{22}O_{10}.2H_2O$. It is considered a salipurposide [sic], i.e. a 5-β-D-glycoside of naringenin. An acetate of I

Card 1/2

57

POLAND / Organic Chemistry. Natural Substances and their Synthetic Analogues. G

Abs Jour: Ref Zhur-Khimiya, No 20, 1958, 67682.

Abstract: has 174-177° melting point. Hydrolysis of I causes formation of "substance B" which is naringenin (II). Upon addition of a methyl group to II and I (by using CH_2N_2), followed by hydrolyses, 7,4'-dimethoxy-5-oxyflavanone is produced. "Substance D" probably is apigenin, while "Substance E" probably is a kempherol. Acetylation of the latter results in the formation of 3,7,4'-triacetoxy-5-oxyflavon.

Card 2/2

S/081/63/000/004/021/051
B187/B208

AUTHORS: Jerzmanowska, Zofia, Pijewska, Lucyna

TITLE: On the condensation reaction of phenyl pyruvic acid with ethyl malonate

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 249 - 250, abstract 4Zh153 (Roczn. chem., v. 36, no. 4, 1962, 653 - 663 [Pol.; summaries in Russ. and Eng.])

TEXT: If unsaturated tricarboxylic acid is to be obtained by reaction of $C_6H_5CH_2COCOOH$ (I) with $CH_2(COOC_2H_5)_2$ (II) in the presence of a catalyst (CAT) consisting of 1 part $ZnCl_2$ and 2 parts $(CH_3CO)_2O$, the anhydride of 4-acetoxy-naphthalene-2,3-dicarboxylic acid (III; IV acid) along with some $C_6H_5CH = C(OCOCH_3)COOH$ (V) are formed but the expected $C_6H_5COCH_2C(COOH)C(COOC_2H_5)_2$ (VI) is not obtained. If there are traces of water in the reaction mass the anhydride of the 4-hydroxy-naphthalene-2,3-dicarboxylic acid (VII; VIII acid) and the ethyl ester of the 7-hydroxy-7,8-dehydro-naphthacene-1-carboxylic (or-2-carboxylic acid (IX)) are formed. Attempts

to synthesize VI in accordance with Knöwenagel's reaction in alkaline medium (pyridine, alcohol, KOH) were also unsuccessful. VII is converted to III by acetylation. Substance III is rather unstable. Its hydrolysis under very mild conditions gives VII again. Hydrolysis of III under more rigorous conditions, as well as boiling of VII with water, give 4-hydroxy-naphthoic-2 acid (X). Under the action of a catalytic amount of CH_3ONa in CH_3OH III is converted to the methyl ester of X. Reaction of III with $N_2H_4 \cdot H_2O$ (XI) or $C_6H_5NHNH_2$ (XII) in glacial CH_3COOH given corresponding derivatives of naphthalazine-2,3 (XIII) and of naphthalazine-2,3-dione-1,4 (XIV). 10.3 g $NaHCO_3$ in 30 ml water are added to 20 g I, m.p. 150 - 151°C, in 70 ml alcohol; the precipitated Na-salt of I (Ia) is dried; 20 g of the latter, 27 g II and 42 ml CAT are boiled for 3 hrs, 100 ml ether are added, washed with water until no more Cl^- ions are present; the precipitate is washed with ether, 20.8 % III, $C_{14}H_8O_3$, m.p. 205 - 206°C (from benzene) is obtained. 4.5 g V, $C_{11}H_{10}O_4$, m.p. 171-173°C (from benzene-acetone) is separated from the ethereal mother lye. 20 g undried Ia is boiled with 27 g II in 50 ml CAT for 2.5 hrs, 100 ml ether

On the condensation reaction of ...

are added, washed with water; 4.35 % VII, $C_{12}H_6O_4$, m.p. 241 - 243°C (from dioxane) are separated from the organic layer. After separation of VII the filtrate is evaporated in vacuo to the half of the initial volume; (temperature of the bath up to 135°C); 1.1 g IX, $C_{15}H_{12}O_3$, m.p. 172-174°C (from CCl_4-acetone) results. 0.05 g VII is boiled in 1 ml $(CH_3CO)_2O$ for 5 min, 0.04 g III separates after cooling; 0.5 g III is boiled in 10 ml diluted HCl (1:1) for 1 hr, after cooling 97.3 % VIII, $C_{11}H_8O_3$, m.p. 224 - 225°C (from water) is obtained. 15 ml VII are boiled in 1 ml water for about 15 min (until complete dissolution occurs), and after cooling VIII is obtained. 1 ml 0.1 N CH_3ONa is added to 0.2 g III in 2 ml absolute CH_3OH and 18 ml anhydrous $CHCl_3$, after 2 hrs at ~20°C it is acidified with 20 % CH_3COOH, the solvent evaporated at ~20°C, and 0.15 g methyl ester of VIII, $C_{12}H_{10}O_3$, m.p. 158 - 160°C (from water) is obtained. 0.3 g III is dissolved in 10 ml hot alcohol, cooled, the solvent evaporated, the precipitate washed with C_6H_6. 68.6 % monoethyl ester of IV, $C_{16}H_{14}O_6$

Card 3/5

On the condensation reaction of ...

m.p. 143 - 145°C (decompos.; from CCl_4), is obtained. 0.5 g III and 0.08g urea are heated at 200°C for 40 min, 4 ml water are added, 85.7 % imide of VIII, $C_{12}H_7NO_3$, m.p. 295 - 296°C, is separated (from dioxane). 0.3 g III is mixed with 1 ml 22 % NH_4OH; after 2 min 31.3 % diamide of IV, $C_{14}H_{12}N_2O_4$, m.p. 191 - 192°C, is separated at ~20°C (decompos.; from water). 0.5 g III are mixed with 0.5 ml $C_6H_5NH_2$, dissolved in hot acetone after ~15 min, by adding C_6H_6, 63.5 % of the phenylimide of VIII, $C_{18}H_{16}NO_3$, m.p. 167-168°C (from acetone-benzene) are obtained. 0.5 g III are mixed with 0.15 g $NH_2OH \cdot HCl$ and 0.2 g $NaHCO_3$ with 2 ml water and 2 ml alcohol, acidified with CH_3COOH after 0.5 hrs at ~20°C, 38.8 % monooxime of III, $C_{14}H_9NO_5$, m.p. 253 - 254°C (decompos.) is obtained. 1 g III is dissolved in 20 ml hot glacial CH_3COOH, 6 drops of about 85 % XI are added, this is boiled for 2 hrs, and after cooling 0.86 g XIII, $C_{16}H_{12}N_2O_5$, m.p. 258 - 260°C (from CH_3COOH-dioxane-water) is separated. In an analogous

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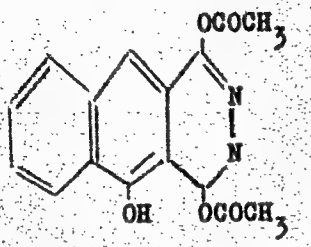
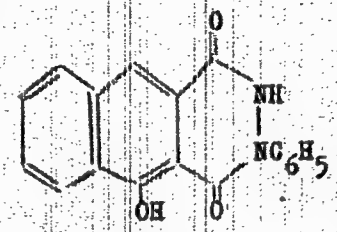
B187/B208

On the condensation reaction of ... way 50 % XIV, $C_{18}H_{12}N_2O_3$, m.p. 254 - 255°C (from alcohol) is obtained from 1 g III in 25 ml glacial CH_3COOH and 9 drops XII (boiling for 4 hrs).



XIII



XIV

[Abstracter's note: Complete translation.]

Card 5/5

BARTOSZEWSKI, Jan, dr.; JERZMANOWSKA, Zofia

Condensation of symmetrical diarylthioureas with chloroacetone; synthesis of new derivatives of thiazoline-4. Pt.1. Roczn chemii 37 no.1:11-29 '63.

1. Department of Organic Chemistry, Faculty of Pharmacy, Medical Academy, Lodz.

JERUMANOWSKA, Zofia, prof. dr

Instead of an answer. Problemy 19 [i.e.20] no. 3:130-131 '64.

1. Prorector, School of Medicine, Lodz, Head, Department of Organic Chemistry, Division of Pharmacy, School of Medicine, Lodz.

JERZMANOWSKI, Antoni; UBYSZ-JERZMANOWSKA, Krystyna

Variability of Corynebacterium diphtheriae following exposure to antibiotics. I. Changes following exposure to penicillin and aureomycin. Med. dosw. mikrob. 10 no.2:193-204 1958.

1. Z Zakladu Bakteriologii A. M. w Lodzi Kierownik: z-ca prof. dr med. A. Ganczarski.

(CORYNEBACTERIUM DIPHTHERIAE, effect of drugs on, chlortetracycline & penicillin, variability (Pol))
(CHLORTETRACYCLINE, effects, Corynebacterium diphtheriae variability (Pol))
(PENICILLIN, effects, same)

JERZMANOWSKI, Antoni; UBYSZ-JERZMANOWSKA, Krystyna

Variability of Corynebacterium diphtheriae under the influence of antibiotics. II. Effect of Streptomycin, chloramphenicol and teramycin. Med. dosw. mikrob. 11 no.3:197-202 1959.

1. Z Zakladu Bakteriologii A. M. w Lodzi Kierownik: z-ca prof. dr med. A. Ganczarski.
(CORYNEBACTERIUM DIPHTHERIAE, pharmacol.)
(STREPTOMYCIN, pharmacol.)
(CHLORAMPHENICOL, pharmacol.)
(OXYTETRACYCLINE, pharmacol.)

ONISK, Zbigniew; JERZMANOWSKI, Antoni

Determinations of anti-alphastaphylolysin levels in patients treated at the Dermatological Department of the Medical Academy of Lodz. Przegl. derm. 49 no.6:523-530 '62.

1. Z Kliniki Dermatologicznej AM w Lodzi Kierownik: prof. dr J. Lutowiecki i Zakladu Bakteriologii AM w Lodzi Kierownik: z-ca prof. dr A. Ganczarski.
(DERMATOLOGY) (STAPHYLOCOCCAL INFECTIONS)

JERZMANSKA, A.

GEOGRAPHY & GEOLOGY

Periodicals KSARTALNIK GEOLOGICZNY. Vol. 2, no. 1, 1958.

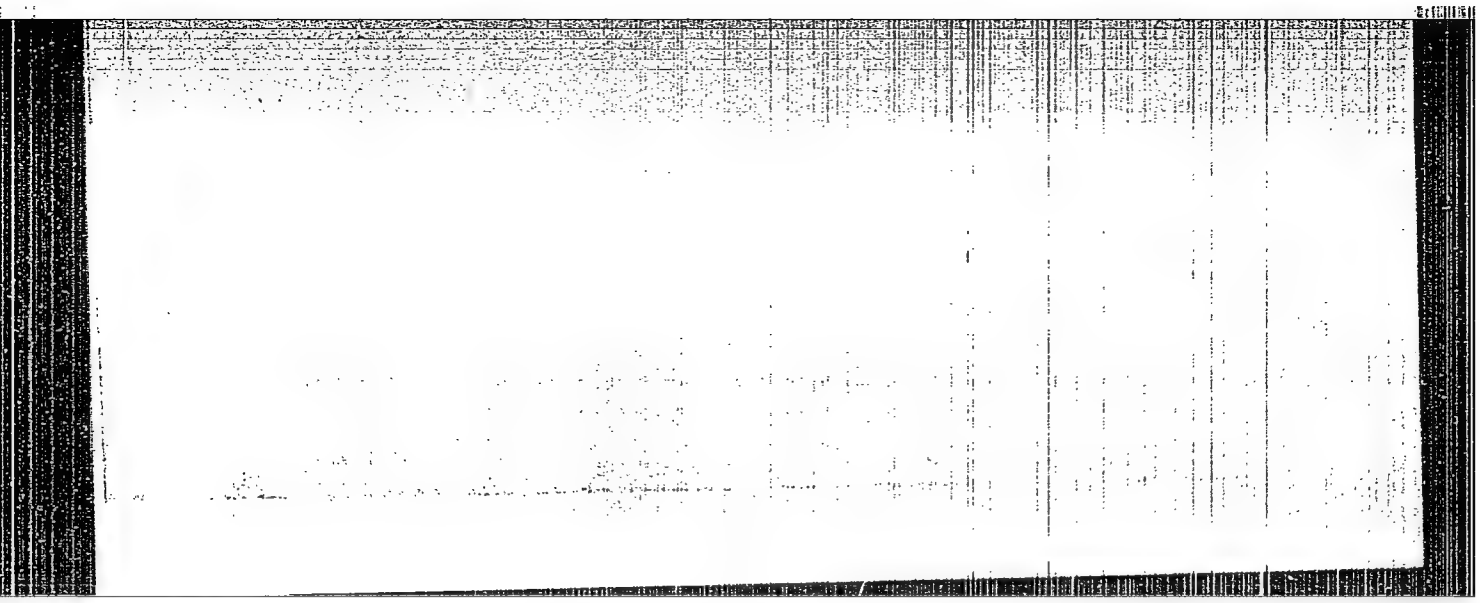
JERZMANSKA, A. Progress of research on Tertiary fishes in Poland.
p. 177.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 5,
May, 1959, Unclass.

JERZMANSKA, Anna; JUCHA, Stanislaw

Significance of the ichthyofauna in schists of Jaslo near Dynow.
Rocz geol Krakow 33 no.1/3:159-180 '63.

1. Katedra Paleozoologii, Uniwersytet, Wroclaw, i Katedra Geologii, Akademia Gorniczo-Hutnicza, Krakow.



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620004-3"

JERZMANSKI, Jerzy

POLAND

JERZMANSKI, Jerzy

Lower Silesian Field Station, Geological Institute (Dolnoslaska Stacja Terenowa Instytutu Geologicznego)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 529-30.

"Main Directions in Iron Ore Deposit Explorations in the Sudetes".

JERZMANSKI, Jerzy

Problems of prospecting for sedimentary iron ore deposits in the Caledonian series of the Sudetes. Przegl geol 11 no.9: 430-433 S'63

JERZYKIEWICZ, A.

621.315.616.9 : 621.314.21.018

4123. The possibility of applying synthetic materials as high-voltage insulation in Polish-made instrument transformers. A. JERZYKIEWICZ AND M. KUNZ. *Przegląd elektrotechn.*, 31, No. 3-4, 245-9 (1955) [In Polish.

The difficulties encountered in the production of dry h.v. transformers are described. They may be used only up to 30 kV. Synthetic materials are discussed and special requirements for voltage transformers (with one earthed or both terminals unearthed) and current transformers (high mechanical strength of insulation on short-circuit) are mentioned. Examples of transformers with plastic insulation are given.

M. W. MAKOWSKI

JERZYKIEWICZ A.

POLAND/Chemical Technology - Chemical Products and Their Application - Synthetic Polymers. Plastics. H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 30819

Author : Hertz, Z. and Jerzykiewicz, A.
Inst : -
Title : Epoxide Resins in the Electrical Industry.

Orig Pub : Przeglad Elektrotechn, 31, No 10-11, 641-643, 1955.

Abstract : See RZhKhim, 1957, 9709.

Card 1/1

41

2083 676.1.053.015

Jerzykiewicz J., Wense F. **Devices for the Exchange of Wires.**

„Urządzenia do wymiany sita", Przegląd Papierniczy, No. 3, 1953, pp. 67—71, 14 figs.

The wire sections of Polish and foreign made paper machines are discussed from the point of view of an efficient exchange of wires. This is of great importance in paper making. Different methods of installing wires in paper machines are outlined. In choosing the construction of wire sections, the following are points to be considered: the difficulty of the exchanging operation; duration of the operation; risk of damaging specific elements of the wire section. The adverse influence of these factors depends upon the width of the machine and its productivity, the length of the wire, the kind of wire and the quality of the paper produced.

JERZYKIEWICZ, J.

"Finnish papermaking machinery industry." p. 344. (PRZEGLAD PAPIERNICZY Vol. 10, No. 11, Nov. 1954. Lodz, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4. April 1955. Uncl.

JERZYKIEWICZ, J.

"New features in the design of papermaking machines in the light of Finnish experiences," p. 375. (PRZEGLAD PAPIERNICZY Vol. 10, No. 12, Dec. 1954. Lodz, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4, April 1955. Uncl.

JERZYKIEWICZ, J.

Testing section of the Papermaking Machinery Factory in Cleplice. p. 40. (PRZEGLAD PAPIERNICZY. Vol. 12, no. 2, Feb. 1956, Lodz, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

JERZYKIEWICZ, Jerzy, mgr.,inz.; ANGLIK, Wieslaw, mgr.inz.

A Polish made paper machine put into operation in Turkey. Przegl papier 18 no.1:13-19 Ja '62.

1. Fabryka Maszyn Papierniczych, Cieplice (for Jerzykiewicz).
2. Biuro Projektow Przemyslu Papierniczego, Lodz (for Anglik).

JERZYKIEWICZ, M.

On the variability of 12 (DD) Lacertae. Acta astronom 13 no.4:253-260 '63.

1. Wroclaw Observatory.

KOCHANOWICZ, Teresa; JERZYKOWSKA, Halina

Treatment of recurrent aphthae with atabrine. Przegl.derm., Warsz.46 no.5:489-493 S-O '59.

1. Z Kliniki Dermatologicznej Sl. A.M. w Zabrzu. Kierownik: prof.dr. T. Chorazak.
(QUINACRINE ther.)
(STOMATITIS ther.)

JERZYKOWSKA-KULESZYNA, K.

Two cases of exchange blood transfusion in newborn with hemolytic disease. Pediat. polska 26 no.2:200-203 Feb 1951. (CIML 21:1)

1. Of the Obstetric-Gynecological Clinic (Director — Prof. T. Zwolinski, M.D.) and of the Pediatric Clinic (Director — Prof. K. Jonscher, M.D.) of Poznan Medical Academy.

JERZYKOWSKA-KULESZYNA, K.; ZYWICKA-TWAROWSKA.

Mortality of newborn infants in 1951; data of the Newborn Ward of the Obstetric and Gynecologic Clinic of the A. M. W. Poznan. Pediat. polska 27 no. 9:1091-1097 Sept 1952. (CLML 23:3)

1. Of the Newborn Ward (Head --Prof. K. Jonscher, M. D.) of Obsteric-Gynecological Clinic (Director--Prof. I. Rosnkowski, M.D.) of Poznan Medical Academy.

JERZYKOWSKA-KULESZYNA, K.

Exchange blood transfusion in fetal erythroblastosis. Pediat. polska 27 no. 11:1325-1338 Nov 1952. (CLML 24:1)

1. Of the Obstetric-Gynecological Clinic (Director--Prof. I. Roszkowski, M.D.) and of the Pediatric Clinic (Director--Prof. K. Jonscher, M.D.), Poznan Medical Academy.

JERZYKOWSKA, Kazimiera; RASZEJA, Stefan; SKYFRIEDOWA, Halina.

Hyaline membranes in newborn infants; clinical observations and morphological studies. Polski tygod.lek.10 no.47:1521-1527 21 Nov. '55.

1. Z Kliniki Poloznicze-Ginekologicznej Akademii Medycznej w Poznaniu; kierownik: prof. dr I. Reszkowski; kierownik: naukowy Oddzialu Noworodkow; prof. dr K. Jeneszher i z Zakladu Medycyny Sadowej Akad. Medycznej w Poznaniu; p.o. kierownika: dr. E. Chrosciclewski. Poznan ul. Swiecickiego 6. Zaklad Medycyny Sadowej A.M.

(LUNGS, diseases,
hyaline membrane)
(INFANT, NEWBORN, diseases,
pulm.hyaline membrane)

JERZYKOWSKA-KULESZYNA, Kazimiera.

Observation on the therapy of hemolytic disease in newborn with exchange transfusion of blood. Pediat.polska 30 no.2:139-150 Feb.'55.

Z Oddziału Noworodków Kliniki Położnictwa i Chorób Kobiecych A. M. w Poznaniu. Kierownik Kliniki: prof. dr med. I. Rosszkowski, Konsultant naukowy oddz. noworodków: prof. dr med. K. Jonscher Adres Poznań, Matejki 6.

(BLOOD TRANSFULSION
exchange, in ther. of hemolytic dis. in newborn inf. indic.)
(ERYTHROBLASTOSIS, FETAL, therapy
blood transfusion, exchange, indic.)

JERZUKOWSKA-KULESZYNA, Kazimiera

Further fate of children born with serologic incompatability. Pediat.polska 30 no.10:905-912 Oct. '55.

1. Z Oddzialu noworodkow Klinik i Poloznictwa Chorob Kobiecych A.M. Poznaniu. Kierownik: prof. dr. med. I. Roszkowski. Konsul'tant oddzialu noworodkow: prof. dr med. K. Jonsher. Poznan, Polna 33.

(ERYTHROBLASTOSIS, FETAL, therapy, progn.)

POLAND/Pharmacology. Toxicology. Tranquilizers. V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102781

Author : Jerzykowska-Kuleszyna, Kazimiera

Inst : Z Oddzialu Noworodkow I Klinika Położnictwa i Chorob Kobiecych A.M. w Boznaniu. Kierownik: doc dr Med. W. Michalkiewicz. Kierownik Oddzialu: doc dr med. K. Jerzykowska-Kuleszyna.

Title : The Application of Largactyl in Diseases of the Newborn, Including Premature Babies.

Orig Pub: Ginekol. Polska, 1958, 29, No. 1, 33-41

Abstract: Largactyl (I; 2 mg/kg daily) was introduced intramuscularly or internally. Beneficial effect of I in cases of birth injury of babies born at term was noted; in premature babies I is less effective. In a group of newborn which were subjected to surgery, I considerably decreased the lethality. In hemolytic diseases of the newborn, I did not improve the results of blood transfusion. Bibl. 28 items. - From the author's resume.

Card 1/1

4

BERNARDCZYKOWA, Anna; JERZYKOWSKA-KULESZYNA, Kazimiera

Retrolental fibroplasia. Pediat. polska 34 no.2:159-166 Feb 59.

1. Z Kliniki Chorob Oczu A. M. w Poznaniu Kierownik; prof. dr med. A. Kwaskowski Z Oddzialu Noworodkow i Wczesniakow I Kliniki Poloznictwa i Chorob Kobiecych A. M. w Poznaniu. Kierownik: doc. dr med. W. Michalkiewicz. Adres: dr Anna Bernardczykowa, Poznan, ul. Dwierczewskiego 31 m. 11.

(RETROLENTAL FIBROPLASIA, case reports
(Pol))

JERZYKOWSKA-KULESZYNA, Kazimiera; KRZYWINSKA, Felicja

Effect of ACTH on the adrenal cortex in newborn infants in normal and pathological states. Pediat. polska 34 no.5:665-676 May 59.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu Kierownik: doc. dr med. W. Michalkiewicz. Adres: Poznan, ul. Polna 33, I Klinika Polznictwa i Chorob Kobiecych A.M.

(ACTH, eff.
on adrenal cortex in newborn inf. in normal & pathol. states (
(ADRENAL CORTEX, eff. of drugs on,
ACTH, in newborn inf. in normal & pathol. states (Pol))
(INFANT, NEWBORN
eff. of ACTH on adrenal cortex in normal & pathol. states (Po

JERZYKOWSKA-KULESZYNA, K.; RENZ-SOLAWA, M.; ZYWICKA-TWAROWSKA, I.

Comparative evaluation of clinical and radiological lung examinations in newborn infants. Pediat pol 36 no.1:5-13 '61.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu Kierownik: doc. dr med. W. Michalkiewicz i z Zakladu Radiologii Lekarskiej A.M. w Poznaniu Kierownik: doc. dr med. B. Gladysz.

(LUNG DISEASES in inf & child) (INFANT NEWBORN dis)

377. LARGACTIL IN THE DISEASES OF NEWBORNS AND PREMATURE INFANTS - Largaktyl w chorobach noworodków i wcześniaków - Jerzykowska-Kulęgzyna K., Odd. Noworodków I Klin. Położnictwa Chor. Kobiecych A.M., Poznań - GINEK. POL.1958, 29/1 (33-41) Tables 1

In 71 newborns and premature infants, largactil was given i.m. or orally in a dose of 2 mg./kg. per 24 hr., mostly during the first 3 days of life. The author observed an advantageous effect in the cases of labour trauma in the mature infants. A decrease of the mortality rate of the newborns submitted to operation could be observed. No beneficient effect was observed in cases with exchange transfusions. Largactil increased the difficulties during loss of blood by a lowering of the blood pressure.

Dzieniszewska - Warsaw (VII, 10)

JERZYKOWSKA, Kazimiera; BREBOROWICZ, Alfreda; SZCZEPANSKA, Zofia; STULKOWSKI, Kazimierz

Syndrome of congenital malformations of the abdominal wall muscles and of the renal tract in a newborn infant. Pediat. Pol. 40 no.5:527-530 My '65.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych AM w Poznaniu (Kierownik: doc. dr. med. W. Michalkiewicz) i z Zakladu Anatomii Patologicznej AM w Poznaniu (Kierownik: doc. dr. med. P. Gabryel).

BILINSKI, Zbigniew; JERZYKOWSKI, Mieczyslaw; MATKOWSKI, Jozef

Plastic repair of the Achilles tendon after traumatic injuries.
Chir. narzad. ruchu ortop. Pol. 30 no.1:13-16 '65.

1. Z Oddzialu Chirurgii Urazowej A Wojskowego Szpitala Okregowego we Wroclawiu (Ordynator: plk. lek. M. Holak).

JERZYKOWSKI, T.; JOZKIEWICZ, S.; SPETT, K.

New rapid photometric method of determination of carbon monoxide in the hemoglobin. Med. pracy 5 no.3:175-185 1954.

1. Z Sekcji Toksykologicznej Instytutu Medycyny Pracy w Zabrzu-Rokitnicy. Kierownik: doc. dr S.Jozkiewicz.
(BLOOD,
carbon monoxide, photometry)
(CARBON MONOXIDE, in blood,
determ., photometry)

JERZYKOWSKI, Tadeusz

Photometric methods of the determination of methemoglobin. Polski tygod. lek. 14 no.30:1394-1398 27 July 59.

1. (Z Pracowni Toksykologicznej Instytutu Medycyny Pracy w Zabrzu - Rokitnity: kierownik: doc. dr S. Jozkiewicz)
(HEMOGLOBIN)

JERZYKOWSKI, Tadeusz

Considerations on analytical reactions of dichlorohydrin with vitamin D. Acta physiol Pol 12 no.5:771-776 '61.

1. Z Pracowni Toksykologicznej Instytutu Medycyny Pracy i z Zakladu Chemii Fizjologicznej Slaskiej A.M. w Zabrzu-Rokitnicy Kierownik: doc. dr St. Jezkiewicz.

(VITAMIN D chem)

JERZYKOWSKI, Tadeusz

Modified method of determining vitamin D by means of the reaction with dichlorohydrin. Acta physiol. pol. 12 no.6:911-914 '61.

1. Zaklad Chemii Fizjologicznej Slaskiej Akademii Medycznej i Pracownia Toksykologiczna Instytutu Medycyny Pracy w Zabrzu-Rokitnicy. Kierownik: prof., dr. S. Jozkiewicz. Adres autora: Zaklad Chemii Fizjologicznej Slaskiej Akademii Medycznej, Zabrze-Rokitnica, ul. K. Marksa 19.

(Vitamins) (Chemical reactions)

JERZYKOWSKI, Tadeusz

Photochemical formation of vitamin D and the chemistry of secosteroids. Postepy biochem. 10 no.2:279-294 '64.

JES, S. - Inzenyrske Stavby Vol. 3, no. 1, Jan. 1955

Conference on the limiting states of structural elements. p.37

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

JES, S.

Varieties of reinforced concrete proposed for the construction of a large bridge p. 358.

INZENYRASKE STAVBY. Praha, Czechoslovakia. Vol. 3, no. 9, Sept. 1955

Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 2, Feb. 1960
Uncl.

JES, S.

JES, S. Beams on elastic bases. p. 428.

Vol. 4, No. 9, Sept. 1956.
INZENYRSKE STAVBY.
TECHNOLOGY
Praha, Czechoslovakia,

So: East European Accession, Vol, 6, No. 3, March 1957

JES, Stepan, dr., inz.

Extended Simpson's rule. Inz stavby 9 no.11:433-434 N '61.

JES, Stepan, inz.,dr.

Graphic construction of earth pressure. Inz stavby 9 no.9:
346-347 S '61.

JES, Stepan, inz., dr.

Cubic interpolation and integration. Inz stavby 10 no.4:153-154. Ap '62.

JES, Stepan, inz. dr.

Circular reinforced concrete sections. Inz stavby 11 no.6:223-237 Je '63.

JIS, Stepan, inz. dr.

Vault curves. Inz stavby 12 no.6:263-270 Je '64.

JESE, Leopold

Diagnosis of the acute dangerous conditions of the eye and the first aid in eye injuries. Zdrav. vest., Ljubljana 23 no.7-8: 163-164 1954.

1. Okulisticna klinika Medicinske visoke sole v Ljubljani, predstojnik prof. dr. Leopold Jese.

(EYE, wds. & inj. ther.)
(EYE, dis. ther.)
(WOUNDS AND INJURIES, eye, ther.)

JESE, Leopold, prof. dr.

Cataract and its treatment. Med. glasn. 9 no.7-8:268-271 July-Aug. 1955.

1. Ocna klinika Medicinskog fakulteta u Ljubljani (Upravnik prof. dr. L.Jese)
(CATARACT, ther.
(Ser))

JESENAK, J.

Drainage of excavations by vacuum methods for construction. p. 460.

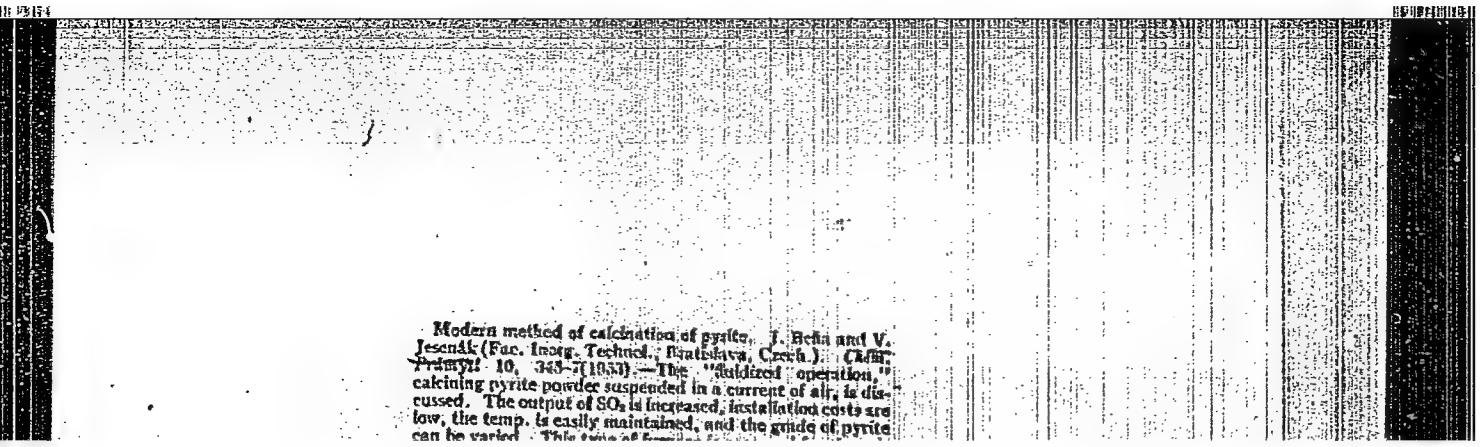
INZENYRSKE STAVBY. Vol. 4, no. 10, Oct. 1956

Praha, Czechoslovakia

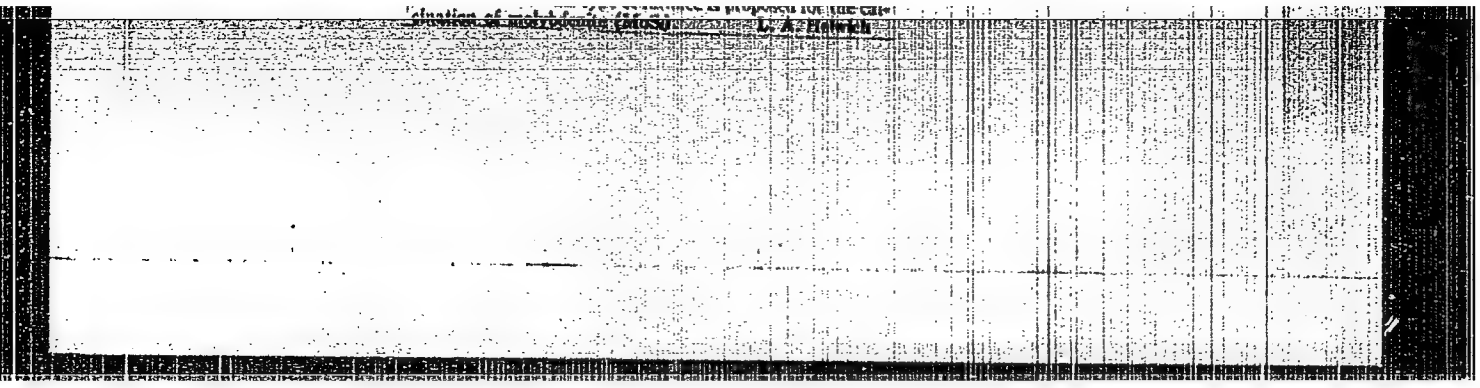
SOURCE: East European List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

JESENAK, Jan, inz.

Observations on the static formula in the new Czechoslovak standard 73 1830 for pile foundations. Inz stavby 6 no.1:7-10 Ja '58.



Modern method of calcination of pyrite. J. Beňa and V. Jesenák (Fac. Inorg. Technol., Bratislava, Czech.). *Chem. Průmysl* 10, 345–7 (1953).—The "fluidized operation," calcining pyrite powder suspended in a current of air, is discussed. The output of SO_2 is increased, installation costs are low, the temp. is easily maintained, and the grade of pyrite can be varied. This type of f[illegible]



Jesenak V

CZECHOSLOVAKIA / Chemical Technology. Chemical Products. H
Processes and Apparatuses of Chemical Technology.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67695.

Author : Kossaczky E., Bena J., Jesenak V., and Ilavsky J. also Singer D.
Inst : Not given.
Title : Discussion of Singer's Article "Theoretical Bases of Processes Involving Pseudoliquification" and Answers to the Discussions by Beranka and Klumper.

Orig Pub: Chem. prumysl, 1956, 6, No 10, 430-433.

Abstract: Ref to Ref. Zhur-Khimiya, 1958, 25349. No abstract.

Card 1/1

2

L 37751-66 EWP(j)/T DS/RM

ACC NR: AT6028246 SOURCE CODE: HU/2502/65/046/001/0035/0044

AUTHOR: Braun, Tibor (Doctor; Budapest); Hradil, M.--Khradil, M. (Bratislava); Jesenak, V.--Yesenak, V. (Bratislava); Tolgyessy, J.--Tel'deshi, Y. (Doctor; Bratislava)

ORG: [Braun] Institute of Inorganic and Analytical Chemistry, L. Eotvos University, Budapest; [Hradil; Jesenak; Tolgyessy] Department of Radiochemistry and Radiation Chemistry, Faculty of Chemistry, Slovak Technical University, Bratislava, Czechoslovakia

TITLE: Radiocoulometric titrations

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 46, no. 1, 1965, 35-44

TOPIC TAGS: titrimetry, radiation chemistry, radioisotope

ABSTRACT: Two methods, one intermittent and the other continuous, have been developed for radiometric determination of the end point of coulometric titrations based on formation of precipitate and complexation. In the radiocoulometric titrations based on precipitate formation, iodide ions labeled with I^{131} were titrated with silver ions generated by coulometry, using silver electrodes. In the complexometric radiocoulometric titrations with the aid of a solid indicator, the cyanide ions generated by the electrolysis of the complex $[Ag(CN)_2^-]$ were reacted with the Ni^{++} ions to be determined, using AgI solution containing labeled Ag. The experimental apparatus is described. Orig. art. has: 5 figures and 1 table. [Orig. art. in Eng.] [JPRS: 33,906]

SUB CODE: 07 / SUBM DATE: 30Jan65 / ORIG REF: 010 / OTH REF: 002

Card 1/1 0425 1651

TOLGYESSY, Juraj, doc. inz., CSc.; HRADIL, Miroslav; JESENAK, Viktor, doc. inz., CSc.; BRAUN, Tibor, dr.

Radiocoulometric titration by using nonisotopic solid-phase indicators. Chem zvesti 19 no.6:465-469 '65.

1. Chair of Radiochemistry and Radiation Chemistry of the Slovak Higher School of Technology, Bratislava, Janska ulica (for Tolgyessy and Hradil). 2. Chair of Inorganic Technology of the Slovak Higher School of Technology, Bratislava, Janska ulica (for Jesenak). 3. Chair of Inorganic and Analytic Chemistry of Lorand Eotvos University, Budapest, VIII., Muzeum korut 4/b (for Braun). Submitted December 10, 1964.

JESENAK, Viktor, inz.; JANTULA, A., inz.

Thermogravimetric examination of the kinetics of the reducing roasting of the Albanian hematite. Hut listy 16 no.4:266-269 Ap '61.

1. Katedra anorganickej technologie, Slovenska vysoka skola technicka, Bratislava.

JESENAK, Viktor, inz., C.Sc.; TOLGYESSY, doc., in., C. Sc.

Contribution to the determination of the equivalence point by the extrapolation method in condensing radiometric titrations. Chem zvesti 17 no.3:161-169 '63.

1. Katedra anorganickej technologie, Slovenska vysoka skola technicka, Bratislava, Kollarovo nam.2 (for Jesenak). 2. Katedra radiochemie a radiacnej chemie, Slovenska vysoka skola technicka, Bratislava, Kollarovo nam. 2 (for Tolgyessy).

GREGOR, M.; JESENAK, V.; BICEK, D.

Effect of dolomite and dolomitic limestone on the decomposition of ammonium nitrate. Chem prum 14 no.12:619-625 D '64

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Abs Jour : Ref Zhur - Biol., No 3, 1958, 10925

Author : Jesic, D.

Inst : Institute of Beet Husbandry (Crvenka)

Title : Application of Microelements in the Cultivation of Sugar Beet.

Orig Pub : Poljopr. Vojvod., 1956, 4, No 11, 13-22

Abstract : Investigations into problems of the application of B and Mg were conducted by the Institute of Beet Husbandry in the city of Crvenka (Vojvodina, Yugoslavia). When beet was fertilized with the minimal quantity of B (in the form of borax) combined with NPK, the yield increased on the average by 6%. The sugar content increased by 1.5%.

Card 1/2

YUGOSLAVIA/Cultivated Plants - Technical, Oil, and Sugar Plants. M-4

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620004-3"

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10925

The B needs of the Vojvodina soils are examined, and recommendation are given on methods of fertilizing with microelements.

Card 2/2

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